

**DROYLSDEN URBAN
DISTRICT COUNCIL.**



ANNUAL REPORT

OF THE

**MEDICAL OFFICER OF HEALTH
AND SANITARY INSPECTOR, ::**

1910.



DROYLSDEN :
T. H. & W. GREENUP, PRINTERS, MARKET STREET.

URBAN DISTRICT OF DROYLSDEN.

Area—1144 acres.

Population—11,097 (at Census, 1901).

Number of Inhabited Houses—2447 (at Census, 1901).

Average number of persons per house—4·53.

Number of Inhabited Houses end of 1910—2966.

Population Estimate to middle of 1910—12,600.

Birth Rate for 1910—27·22.

Death Rate for 1910—14·20.

TO THE CHAIRMAN AND MEMBERS OF THE DROYLSDEN URBAN
DISTRICT COUNCIL.

GENTLEMEN,

I beg to submit to you my Annual Report as to the health and sanitary condition of the district for the year 1910.

During the year, the deaths of 179 persons (80 males and 99 females) have been registered from all causes, as against 178 registered in the previous year. These 179 deaths give a death rate of 14·20 per 1000 of the estimated population.

A reference to Table I. will show that this rate is practically the same as the death rate for last year, and 2 per 1000 below the average of the previous 10 years, which was 16·5 per 1000.

Of the deaths, 47 or 26·2 per cent were of children under 1 year of age ; from 1 year and under 5 years of age, 33 deaths occurred, or 18·4 per cent.; from 5 years and under 15 years of age, 7 deaths occurred, or 3·9 per cent ; from 15 years and under 25 years there were 10 deaths, or 5·5 per cent ; from 25 years and under 65 years there were 50 deaths, or 27·9 per cent.; and from 65 years and upwards there were 32 deaths, or 17·8 per cent. 7 males and 8 females died between the ages of 70 years and 80 years, and 2 males and 5 females died between the ages of 80 years and 90 years.

During the year 1910, the birth of 343 persons (184 males and 159 females) were registered in the district. The birth rate for the year is 27·22 per 1000, as compared with 24·78 per 1000 last year. The average birth rate for the previous ten years is 28·82 per 1000 ; therefore this year's rate is 1·60 per 1000 below the average.

The deaths under 1 year were 47, and these, measured in proportion to the recorded births, gave a rate per 1000 of 137. The average for the previous ten years was 158·4 per 1000.

The chief points about the above figures are that the birth rate, although higher than last year, is still below the average ; the infantile mortality is again much below the average ; and that the general death rate is very low.

Diseases of the respiratory organs, such as bronchitis and pneumonia, caused 24 deaths, or 13 per cent. of the total deaths, as compared with 21·3 per cent. last year.

All tubercular diseases caused 17 deaths, or 9·4 per cent. of the total number, as compared with 10·1 per cent. last year. 8 of the deaths were from phthisis. During the previous year, phthisis caused 11 deaths, and other tubercular diseases 7 deaths.

Diseases of the zymotic or infectious class caused 32 deaths :— measles 11, scarlet fever 1, whooping cough 13, diphtheria 5, and enteric fever 4. This gives a zymotic death rate of 2·62 per 1000.

The following table will show the number of deaths from the chief zymotic diseases during the last ten years :—

	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910
Smallpox	0	0	0	0	2	0	0	0	0	0
Measles.....	2	19	1	9	7	13	5	8	7	11
Scarlet Fever	1	0	0	0	0	8	4	0	5	1
Whooping Cough	8	0	2	6	1	1	3	7	0	13
Diphtheria	5	6	2	0	4	3	3	1	4	5
Enteric Fever.....	1	1	0	1	0	2	2	1	4	2
	17	26	5	16	14	27	17	17	20	32

During the year, under the Infectious Diseases (Notification) Acts, 140 cases of infectious disease were notified, as compared with 248 cases in the year 1909. This large decrease is due to the scarlet fever epidemic being stamped out ; only 88 cases being notified, as compared with 188 cases in 1909. At one time the disease became particularly prevalent, but after visiting two of the schools mainly affected, I did not consider it necessary to advise that they should be closed.

The other cases notified were as follows :—diphtheria 18, erysipelas 12, enteric fever 19, puerperal fever 3.

Compared with last year, when there were 25 cases, there is a satisfactory fall in the incidence of enteric fever.

Owing to insufficient means for isolation at home, 3 cases of scarlet fever, 1 case of diphtheria, and 1 of enteric fever were removed to the Hyde hospital for infectious diseases.

I particularly wish to draw your attention to the heavy mortality from measles and whooping cough. Many parents regard these diseases as maladies which every child must have, and treat them with considerable indifference, such procedure not infrequently ending in disaster.

Measles attack children chiefly between the ages of one and five years, and as a rule, confers immunity against a second attack. I therefore, in September last, advised the education authority to keep a child with measles away from school for one month; to forbid the attendance at school of other children in the house who have not had measles, for three weeks; but to permit the attendance of children from that house who have had measles, and who attend classes other than the infant department.

During the year, 117 privy middens were converted into water closets. This is a satisfactory increase compared with last year, when only 54 conversions were made. I would urge the Council to accelerate this work as much as possible till a water carriage system, as complete as possible, is installed.

Along with the Sanitary Inspector, I have visited all the Factories, Workshops, etc. in the district, a full account of which appears in the report of the Inspector of Nuisances.

The refuse destructor is now working and giving the greatest satisfaction.

I would urge upon the Council the necessity of the provision of a steam disinfecter for the disinfection of bedding, clothing, &c.

I am pleased to record that the Council now provide diphtheria anti-toxin, which may be obtained, night or day, from Mr. Attenborough, Chemist, Market Street, in any quantity up to 10,000 units, upon the presentation of a note signed by a medical practitioner.

I am, gentlemen,

Your obedient servant,

F. G. PELL-ILDERTON,

Medical Officer of Health.

ENGINEER'S REPORT FOR THE YEAR 1910.

GENTLEMEN,

I have pleasure in submitting to you the following Report relating to matters and works in the district for the year 1910, and am pleased to say that the sanitary conditions are very rapidly improving.

The alterations and additions to the Sewage Works have been completed, and comprise the following works:—An alteration of the catchpit of a capacity of 2000 gallons to twin catchpits of a combined capacity of 25,000 gallons, each of which may be separately used, so as to allow for cleaning out as required without stopping the flow of sewage through same. An enlargement of the tanks, by raising the walls, from a capacity of 750,000 gallons to 1,100,000 gallons, and so arranged as to allow of use of each tank as a separate quiescent settling tank, or in series on the continuous flow principle, and in the latter case so that any one tank may be cut out from the series for cleaning or other purposes. The provision of two percolation beds of a combined area of 3,000 square yards, and an average of seven feet deep, the filtering medium, which consists of broken basalt, being held in position by rubble walls and drained by a continuous false floor of half-round glazed earthenware tiles upon a concrete bed, with a self-cleansing gradient from one side of the bed to the other, and the effluent discharging into an open channel; the precipitated sewage being conveyed to the beds by cast-iron pipes gridironed upon its surface, and with means of cleaning out same and of cutting off the supply to any portion of the beds, the distribution being by small fixed sprinklers or jets, at 10 feet centres, of a pattern arrived at after much experimenting, and after trying all types of such which could be obtained. The effluent is collected in a small humus tank and thence discharged into the Sunnyside Brook; the cost of this work being about £14,500.

More beds will be required shortly, when a humus tank of much greater capacity will be installed. The works are producing an effluent equal to expectations.

The flow of sewage to the works, amounting to about 650,000 gallons dry weather flow, is still greatly in excess of the estimated amount for the population, notwithstanding that two leakages from the canal to the extent of 42,000 gallons a day have been stopped. This excess appears to be chiefly surface drainage from the Ashton Moss lands.

Great inconvenience and trouble is caused both to the sewers and at the works by the infiltration of a large amount of liquid from the Copperas Works, Fairfield, into the sewers,

which depreciates the conduits themselves, causes obstructions by precipitating in the pipes the albuminoid matters in the sewage, and chiefly by tending to choke up the percolation beds with insoluble iron salts. Milk of lime is now being added to the clarified sewage to throw down these iron salts before the liquid is passed to the beds, and is somewhat helping to overcome this trouble, although other and more drastic means will have to be taken to completely remedy this serious trouble.

The main sewers were not cleaned out as regularly as in previous years, and in several cases are now requiring attention, and many of the branch sewers, or combined drains, require immediate cleansing and repairing.

During the year new sewers, or combined drains, were laid behind 21 blocks of properties, at an estimated expense of £235, to facilitate the construction of w.c.'s in place of insanitary privies and ashpits. The L.G.B. held an enquiry for sanction to borrow £2,624 for the relaying of 37 lengths of combined drains, necessitated principally for the above purpose. In many cases notices to abate nuisances had been served on the owners of the properties effected. This work is now being pushed on with the utmost despatch, and it is estimated that at least 400 new w.c.'s can be substituted for privies within a few months.

Works under the P.S.W. Acts have been executed and commenced in seven streets at a cost of about £780, and another batch of 17 streets at an estimated cost of £8,548, are now about to be presented to the L.G.B. for sanction to borrow a loan for carrying out the works.

There has also been served upon owners frontaging upon private streets over 160 notices to put such streets into a passable and reasonable state of repair, and I am glad to say that this has had the effect of greatly improving their condition.

The whole of the macadam portion of the paving of the main road (with the exception of the approaches to the canal bridge) has been replaced with granite sets, the work being done out of a loan of £2,100 sanctioned by the L.G.B., and for the repayment of which the Main Roads Committee of the County Council contribute 90 per cent. for a period of 20 years; the usual grant of £400 for maintenance has also been expended.

The question of widening the bridges over the canal on the main road and also on Edge Lane is under consideration by the Council, and negotiations are proceeding with the other authorities interested in this matter, and it is very probable that the necessary works will be proceeded with in the near future, and which should tend to materially open out the

district. An improvement greatly needed for this purpose is an elevated roadway from Edge Lane and Greenside Lane across the Medlock Valley to Newton Heath.

A scheme under the Towns Planning Act for the laying out of the district is under preparation, and in connection with this matter the building bye-laws should have consideration for revision.

No grant has been allocated to this district under the Development and Roads Improvement Funds Act, 1909, the whole of the available money in the county being used for the improvement of arterial roads. The Council have prescribed the maximum width of the main road from Queen Street to opposite Edward Street to be 63 feet.

Some small improvement schemes of the building lines in streets have been forwarded to the County Council, but they have not thought fit to grant any moneys for same. However, two of them have been accomplished, and an encroachment on the public highway has also been put back to the original line.

A setting back of the fence in front of two new houses so as to make the street of the proper width of 12 yards is also under consideration, along with a strip adjoining same.

Action has been taken against a number of tradesmen for encroaching and obstructing the public highway by exposing goods on the paths in front of their premises.

Several lengths of footpaths have been laid with flags out of the Public Street Works Loan to the extent of £142. The up-keep of the highways, beyond the sums expended from loan, and on the main road, amounted to approximately a gross expenditure of £1,001.

The Electricity Department of the Manchester City Council have extended their power and lighting cables along some of the principal streets in the district, under the Droylsden Electric Lighting Order of 1897.

A number of new street gas lamps have been erected during the year, and also one electric street lamp, and a large number of flat-flame burners in existing lamps have been replaced with incandescent burners, and during the forthcoming year the whole of such will be similarly dealt with. The lighting of the streets has for some years steadily improved, and efforts are being made to further extend this desirable improvement. The cost of street lighting was about £860. The quality of the gas supplied in the district has caused many complaints to be received.

The Council have purchased the buildings known as the "Institute" for £2400, which is under a scheme approved by the Charity Commissioners, to be appropriated towards the cost of

the erection of a new elementary day school, and have also made application to the L.G.B. for sanction to borrow a loan for the alteration of this building into suitable and convenient offices for their requirements, and the necessary works will be executed as speedily as possible.

The County Education Committee propose erecting a third elementary day school in the district, on a plot of land behind Fairfield Road and the canal, plans for which have been received by this Council and approved, and arrangements have been made for the Council to take over about $2\frac{1}{2}$ acres of the plot of land secured for the purpose of a recreation ground.

Building plans for 22 new houses, 6 small additions to works, new patent retort house at the gas works, dining room for eating house, and new weaving shed were submitted and approved. Certificates for human habitation were granted for 11 houses, and for 2 houses the certificates were held over, owing to the plans not having been complied with, insomuch as the street has not been made to the required width of 12 yards. A wooden stable was erected without submitting plans, and the matter was taken to court. A fine was imposed for the offence.

A dangerous building abutting on a public highway was, after the necessary notices had been served, demolished.

The tenancy of Greenside Farm changed hands during the year, and over £30 was expended in redraining a portion of the lands, and the small plots of land adjoining Water Lane have been let in allotments direct to the holders.

The results of the colliery working in the district is becoming apparent in the disturbances shewn to buildings.

The railings, seats, greenhouses, and outbuildings, and a portion of the Registrar's house were painted.

Shrubs were placed in tubs round the Council Offices during the summer months, and were appreciated by the inhabitants.

The Council increased their subscription to the Manchester Royal Infirmary to 20 guineas, also subscribing a sum of 6 guineas to the Ancoats Hospital, and it is suggested that the one to the latter should be increased.

The destructor and sludge pressing plant, with baths for men, clinker crushing plant, mortar mill, and weighing machine are now completed at a cost of about £5000 and working with the utmost satisfaction, and giving results better than the guarantees in the matter. The new approach road *via* the Cemetery to the Sewage Works has been formed and partially paved.

The building is also ready to house a steam disinfecting machine, and it is suggested that one should be obtained without delay, so as to perfect the method of disinfecting beds and

The disinfecting of premises after infectious diseases cases is carried out by means of Formaldehyde vapour, and Izal liquid and powder is supplied free during the progress of such other large articles.

All the day schools in the district are well disinfected during the several holidays. The cost of disinfection, isolation, and Infectious Diseases Hospital charges for the year amounted to about £230.

The question of a joint M.O.H. for this and the surrounding district was brought forward by the L.G.B., and a conference held on the matter, and the decision arrived at was that such an arrangement was not practicable.

Notices for the abatement of nuisances, consisting principally of defective privies and ashpits, defective sink wastes and drainage from same, and defective paving in backyards, to the number of 25, affecting 188 premises, were served during the year, and the necessary works have been carried out at 85 premises. The remainder would have been executed but for the fact that no adequate sewers at the properties existed into which the drainage could be turned. A large number of conversions have also been carried out without having to serve notices. Two cases of keeping swine so as to be a nuisance have also been abated.

Observations of the emission of black smoke from factory and works chimneys have been taken as usual, and in cases where such seems to be excessive, the attention of the owners drawn to the matter.

The question of taking action in the case of firing or sweeling private house chimneys has been under consideration, but nothing has yet been decided as to the action to adopt.

Two new licences for the sale of milk have been issued, and in the case of the licence in Edge Lane, I should advise its withdrawal as being a place unsuitable for the sale of milk.

Two applications were received for licences for slaughter-houses, but were not granted.

A shippon which had been untenanted for some time was put into good repair and is now in use.

The following is a synopsis of the factories, workshops and workplaces:—

No.	Description of Works	No.	Description of Works
10	Cotton Spinning & Weaving Mills	1	Mineral Water Manufactur's
3	Dyers & Bleachers...	1	Rag Sorting Works ...
4	Chemical Manufacturers ..	3	Coach Builders
1	Steam Laundry	1	Textile Machinery Manufac's
1	Hand Laundry	1	Doll Manufacturers...
1	Brass Foundry	1	Basket Manufacturers ...
1	Iron Foundry	1	Mews
1	Tin Smiths	2	Tripe Boilers
3	Shoeing & General Smiths	2	Fat Boilers
4	Plumbers	1	Fodder Factory
3	Painters	2	Tailors
6	Builders Yards	2	Dressmakers
1	Cabinet Makers Works ..	1	Eating House
1	Gas Works	2	Station Coods Yards ...
3	Pickle Manufacturers ..	7	Bakehouses
1	Cask Makers	1	Milk Produce Manufactur's
1	Brickworks	13	Coal Depots
1	Rubber Goods Manufacturer	11	Slaughter Houses
1	Engineers Tool Works ...	20	Shippons & Farmsteads ...
2	Cycle Manufacturers ...	1	Sewage Refuse Disposal Wks
2	Printers		
1	Shoe Manufacturers ...	125	Total

Visits to the number of 325 have been paid to these premises, and defects, where found, caused to be made good.

There are also 294 shops in the district, and 44 premises licensed for the sale, on and off, of intoxicating liquors.

There are a total of 3,106 habitable houses, and of these about 140 have been unoccupied during the year, and the sanitary conveniences of same are 1,295 w.c.'s and 1,811 privies. Many of the ashpits to the privies are uncovered, and built below the ground, allowing liquid matter to accumulate. From the ash-boxes of the houses with w.c.'s 887 loads of refuse has been removed, these boxes being emptied practically once a week, and from a total of 3,100 ashpits emptied 2,484 loads have been taken away.

The trade refuse made in the shops has, up to a few months ago, been collected free of cost by the Council. Arrangements have now been made whereby the producers remove the same at their own cost, facilities being given them to tip at the Refuse Destructor Works.

The cost of nightsoil removal for the year is approximately £680.

I am, gentlemen,

Yours obediently,

CHARLES HALL,

Surveyor, etc.



TABLE I.

Vital Statistics of whole District during 1910 and previous years.

Year	Population estimated to middle of each year	Births		Total Deaths registered in the District			
		Number	Rate	Under one year of age		At all Ages	
				Number	Rate per 1000 Births registered	Number	Rate
1	2	3	4	5	6	7	8
1900	10900	334	30·6	57	175	198	18·1
1901	11100	316	28·46	48	152	186	16·8
1902	11200	359	32·5	59	164	194	17·3
1903	11500	305	26·5	47	154	169	14·1
1904	11700	341	29·1	66	196·5	224	19·1
1905	11800	344	29·1	53	154	190	16·1
1906	12000	359	29·9	52	145	214	17·8
1907	12200	351	28·7	56	159·5	188	15·4
1908	12300	352	28·6	60	170·4	208	16·9
1909	12500	309	24·78	35	113·59	178	14·2
Averages for years 1900-1909	11720	337	28·82	53	158·4	194	16·5
1910	12600	343	27·22	47	137	179	14·20

TABLE III.***Cases of Infectious Disease notified during the Year 1910***

Notifiable Disease	Cases Notified in Whole District							Total Cases Removed to Hospital
	At all Ages	At Ages—Years					65 and up- words	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65		
Diphtheria (including Membranous Croup	18		9	6	2	1		1
Erysipelas	12		1	2		6	3	
Scarlet Fever... ..	88		32	45	7	4		3
Enteric Fever... ..	19		2	6	2	9		1
Puerperal Fever ..	3				1	2		
Totals	140		44	59	12	22	3	5

TABLE IV.

Causes of, and ages at Death during the Year 1910.

Causes of Death 1	Deaths at the subjoined ages of 'Residents,' whether occurring in or beyond the District						
	All Ages 2	Under 1 year 3	1 and under 5 4	5 and under 15 5	15 and under 25 6	25 and under 65 7	65 and up- wards 8
Measles	11	1	10				
Scarlet Fever ..	1		1				
Whooping Cough ..	13	4	9				
Diphtheria (including Membranous croup...	5		3	2			
Fever—Enteric ..	2		1			1	
Epidemic influenza ..	1						1
Diarrhœa .	2	1	1				
Enteritis ..	8	7	1				
Erysipelas ...							
Phthisis (Pulmonary Tuberculosis) ...	8				2	5	1
Other tuberculous diseases...	9	3	1	1	1	3	
Cancer, malignant disease	9					4	5
Bronchitis ..	12	2				6	4
Pneumonia ..	12	3	4		1	3	1
Pleurisy							
Other diseases of respiratory organs..	1					1	
Alcoholism Cirrhosis of liver							
Premature birth ..	6	6					
Diseases & Accidents of Parturition .	1					1	
Heart diseases .	13	2				7	4
Accidents ..	4	1		1	2		
Suicides	2				1	1	
All other causes ..	59	17	2	3	3	18	16
All causes ...	179	47	33	7	10	50	32

TABLE V.
Infantile Mortality during the Year 1910.

CAUSE OF DEATH	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under 1 Year
Common Infectious Diseases :—																	
Measles													1		1	1	1
Whooping Cough ..															1	1	4
Diarrhoeal Diseases :—																	
Diarrhoea, all forms ..										1							1
Enteritis, Muco-enteritis, ..														1			7
Gastro-enteritis ..				1		1	1	1		2							
Wasting Diseases :—																	
Premature Birth ...	4	1	1		6												6
Congenital Defects ...	2				2		2										4
Atrophy, Debility, Marasmus ..	5	1	1		7	2		1									10
Tuberculous Diseases :—																	
Tuberculous Peritonitis : ..														1			1
Tabes Mesenterica ...								1									2
Other Tubercular Diseases ..																	
Other causes :—																	
Convulsions									1								2
Bronchitis												1	1				2
Pneumonia								2				1	1				3
Suffocation, overlying ...		1				1									2		1
Other Causes																	3
All Causes...	11	3	2	1	17	4	4	5	1	3		3	3	2	3	2	47

TABLE VI. SLAUGHTER HOUSES.

Date of Reg. or Lic'ce	No. in Reg	Position	Owner	Occupier	Remarks
1865	3	New Street, back off Market St.	W. Torkington	Jas. Newton	Good state of repair
1865	4	62, Market Street	W. Torkington	E. A. Clarke	Has been made by covering over part of backyard of house, and abuts on the same
1865	7	1, Greenside Lane	S. Williamson	J. Williamson	House opens into slaughter house
1904		421-3, Manchester Road	H Smith	Sam Etchells	This slaughter house is on same premi- ses as one regis- tered in 1865, good state of repair
1904	13	Albert Street	Droylsden Co-op.	Droylsden Co-op.	This is a model slaughter house, and is in substitu- tion of one erected about 1878 on same site
		Back of Hart St	Baguley's Trustees	E. Ridgway	No record of registra- tion or licence. Good state of repair
1904		Chapel Street, behind No. 170 Market Street	Stopford's Estate	T. R. Grundy	Council granted licence for same Feb., 1903. Good state of repair
		Off Moorcroft St.	W. Torkington	W. Torkington	In substitution of one at other side of Moorcroft St. used formerly. No re- cord of registration or licence. Good state of repair
		108, Market St	I Newton	I. Newton	Good state of repair
1906		Clock House, Greenside Lane	Hurst's Trust	S. Garside	Only occasionally used
1906		Benny Lane	Hulme's Trust	G. F. Day	Only occasionally used

TABLE VII. MILK SHOPS.

Position	Occupier	Remarks
62 Edge Lane	F. Bentley	
136 Edge Lane	W. Liversedge	
250 Edge Lane	W. Hardy	
300 Edge Lane	F. Openshaw	
197 Edge Lane	R. Hayes	
266 Edge Lane	J. Moffitt	
540 Edge Lane	Mrs Lea	
41 Edge Lane	Baker & Thompson	
Fairfield Square	W. Bolton	
190 Fairfield Road	J. Thomas	
123 Fairfield Road	H. Roberts	
107 Fairfield Road	A. Cunliffe	
225 Manchester Road	A. Hetherington	
41 Manchester Road	H. Chappell	
31 Market Street	Thos Wallworth	
25 Market Street	Jas. Thos Buckley	
375 Manchester Road	J. Armstrong	
14 John Street	W. Taylor	
1 Moorside Street	Jos Belfield	
48 Market Street	Jas Thomasson	
146 Market Street	J. Pearson	
251 Market Street	J. H. Settle	
1 Greenside Lane	J. Williamson	
11 Greenside Lane	Thos Kippax	
1 Market Street	Wright Shepley	
13 John Street	Wm Lee	
22 Angola Street	M. Berry	
132 Market Street	W. Newton	
95 Ashton Hill Lane	Wm. Forrester	
405 Manchester Road	J. Burns	
222 Manchester Road	J. Ruddock	
129 Manchester Road	E. Cheetham	
174 Market Street	Mrs Beaden	
145 Moorside Street	N. Cochran	
245 Fairfield Road	J. Lancashire	
156 Edge Lane	J. Marshall	
178 Fairfield Road	J. Langfield	
222 Fairfield Road	Agnes Hampson	

TABEL VIII. SHIPPONS.

Position	Occupier	Stalls	Cubit ft air space per Cow	Remarks
Lumb	G F Day	12	286	Council's Property
Hoppett Lane	A Newton	8	465	
Oldham Street	W Berry	12	317	
Lunkirk Street	E Ridgway	7	518	
Greenside Lane	W Cordon	8	252	
Greenside Lane	W Stretton	15	693	
Greenside Lane	W Newton	9	383	
		5	358	
		4	394	
Greenside Lane	J Headlam	12	303	
		6	261	Council's Property
Greenside Lane	W Day	4	664	
		8	302	Council's Property
Greenside Lane	R Fildes	10	351	Isolation Stalls
Greenside Lane	Mrs Garside	19	366	
Edge Lane	R Coates' Exors	12	440	
Alderdale	W Potts	26	456	
		10	678	
		3	352	
		8	338	
Edge Gate Farm, Edge Lane	E Cooper	4	630	
Christy's Farm	J Mellor	6	756	
		12	690	
Sunny Bank	G Higginbottom	14	525	
Water Lane	R Cooper	8	416	
Fairfield Square	W Bolton	8	790	
Yew Tree Farm	J Jackson	3	660	
Oakfield Farm	S Williamson			

Table IX. *Factories, Workshops, Laundries, Workplaces and Homework.*

1. INSPECTION.				
INCLUDING INSPECTION MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.				
Premises.				
Number of				
Inspect'ns Written Notices Prosecu- tions				
Factories (including Factory Laun- dries)	140			
Workshops (including Workshop Laundries)	131			
Workplaces	54			
Total	325			

2—DEFECTS FOUND.

Particulars				
Number of Defects				
Found Reme- died Refd to H M Inspect'r Nc. of Prosecu'ns				
<i>Nuisances under the Public Health Acts :—</i>				
Want of Cleanliness	2	2		
Want of Ventilation	1			
Overcrowding	2	2		
Want of Drainage of Floors	1			
Other Nuisances				
Sanitary accommodation { insufficient				
unsuitable or defective	4	2		
not separate for sexes	1	1		
<i>Offences under the Factory & Workshop Act :</i>				
Illegal occupation of underground bake- houses (s 101)				
Breach of special sanitary requirements for Bakehouses (ss 97 to 100)				
Other offences				
Total	11	7		

Table IX.—continued. 3—HOMEWORK.

Class	Number
Lists of Addresses of Outworkers ... } received from other Councils...	2
... } forwarded to other Councils...	0
Inspections of Outworkers premises :—	
Making Wearing Apparel	13

4—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year :—

Important Classes of Workshops.	{ Hand Laundry	1
	{ Brass Foundry	1
	{ Tin, Shoeing & other Smiths .	4
	{ Plumbers	4
	{ Builders Yards	6
	{ Cabinet Maker	1
	{ Pickle Manufacturers	2
	{ Cask Maker	1
	{ Printers	2
	{ Bakehouses	7
	{ Coach Builders	3
	{ Tailors, &c.	4
	{ Others	11

Total number of Workshops on Register ...	47
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5.—OTHER MATTERS.

Matters notified to H.M. Insp'r of Factories	
Failure to affix Abstract of the Factory and Workshop Act (s. 133)	1
Action taken in matters } Notified by	
referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory & Workshop Act, (s. 5) }	2
H.M. Insp'tor	
Reports of action taken sent to H.M. Inspector	2
Other	
Underground Bakehouses (s. 101)	
Certificates granted during the year ...	
In use at the end of the year	1

Table X. Table of SMOKE OBSERVATIONS taken in connection with Factory and other Chimneys in the District.

1910	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
No. of Firm	No. of Observations	Average No. of Mins. Black Smoke per hour	No. of Observations	Average No. of Mins. Black Smoke per hour	No. of Observations	Average No. of Mins. Black Smoke per hour	No. of Observations	Average No. of Mins. Black Smoke per hour	No. of Observations	Average No. of Mins. Black Smoke per hour	No. of Observations	Average No. of Mins. Black Smoke per hour
1	1	0	2	0	0	0	1	0	1	0	2	4
2	1	0	2	0	0	0	1	0	13	8	2	3
3	1	0	2	2	2	4	2	5	3	2	1	3
4	1	3	2	2	2	3	2	4	3	1	1	1
5	1	2	2	2	2	5	2	2	2	1	1	1
6	1	0	1	2	0	1	2	1	2	1	1	1
7	1	0	2	4	4	3	2	0	2	1	1	1
8	1	3	2	2	2	3	2	1	2	1	1	1
9	1	1	2	2	0	3	2	1	2	2	2	2
10	1	3	2	2	4	4	2	4	2	2	2	2
11	1	3	2	2	4	4	2	5	2	1	2	2
12	1	1	2	2	3	3	2	9	1	2	2	2
13	1	1	2	2	3	4	2	6	3	2	2	2
14	1	5	2	2	4	4	2	6	3	11	2	6
15	1	5	2	2	4	4	2	4	2	4	2	5
16	1	0	2	2	0	0	2	0	2	0	2	2
17	1	0	1	2	3	3	1	1	2	4	1	4
18	1	3	2	2	0	0	2	4	2	2	2	3
19	1	2	1	2	5	3	2	2	1	2	2	3
20	1	3	1	2	3	3	2	0	2	1	2	2
21	1	3	1	2	0	0	2	1	2	2	2	2

TABLE XI. RAINFALL.*Number of Days on which rain fell.*

Month	1908	1909	1910
January	10	13	15
February	18	8	24
March	16	12	10
April	15	13	15
May	18	11	18
June	10	14	14
July	17	20	13
August	12	17	22
September	19	10	5
October	8	21	8
November	15	7	14
December	16	19	26
Totals	174	165	184

TABLE XII.

	1908	1909	1910
Average Rainfall per day	·077 ins.	·091 ins.	·096 ins.
„ „ per week	·554 ins.	·637 ins.	·669 ins.
„ „ per month	2·361 ins.	2·762 ins.	2·900 ins.
„ „ per year	28·330 ins.	30·673 ins.	34·79 ins.

TABLE XIII. Average Rainfall for 3 years—1908-10.

Month	Inches
January	2·59
February	2·13
March	1·67
April	2·09
May	2·85
June	2·02
July	4·21
August	4·31
September	1·90
October	1·64
November	2·40
December	3·18

TABLE XIV. *Exceptional Rainfalls.*

1908		1909		1910	
Date	Inches	Date	Inches	Date	Inches
Feb. 17	·55	Feb. 4	·56	Jan 16	·82
June 2	·80	Mar 7	·62	Jan 24	·60
July 8	·61	Mar 25	·78	May 16	·61
July 9	·61	April 18	·52	June 24	·63
July 10	·50	April 20	·51	July 5	1·02
July 17	·85	April 24	·60	July 20	1·10
Aug. 21	·73	July 10	·60	Aug. 14	·60
Sept. 21	1·10	July 31	·95	Aug 23	1·24
Nov. 22	·60	Aug. 17	·83	Aug. 28	1·29
		Aug. 21	·53	Oct. 3	·64
		Sept 28	·52	Oct. 12	1·02
		Oct 4	·81	Nov 1	·70
		Oct 16	·51	Nov 24	·53
		Oct 24	·70		
		Dec 3	1·06		
		Dec 11	·73		

TABLE 15. RECORD OF TEMPERATURE (IN SHADE) AT SEWAGE WORKS.

1908						1909						1910					
Month	Week Ending	No. of Week in Year	Maximum Temperature		Minimum Temperature	Month	Week Ending	No. of Week in Year	Maximum Temperature		Minimum Temperature	Month	Week Ending	No. of Week in Year	Maximum Temperature		Minimum Temperature
			8 a.m.	5 p.m.	8 a.m. 5 p.m.				8 a.m.	5 p.m.	8 a.m. 5 p.m.				8 a.m.	5 p.m.	8 a.m. 5 p.m.
January ..	Jan	5	1	35	35	21	20	January	Jan	2	1	54	53	29	31		
		12	2	50	49	24	20			9	2	53	53	32	33		
		19	3	52	51	23	27			16	3	53	49	28	36		
		26	4	46	49	26	31			23	4	45	43	22	22		
February ...	Feb	2	5	52	53	27	32	February ...	Feb	6	5	37	38	10	11		
		9	6	47	48	27	34			13	6	52	53	31	32		
		16	7	48	52	32	33			20	7	52	52	27	27		
		23	8	51	51	36	42			27	8	50	52	34	33		
March	Mar	1	9	48	41	28	31	March	Mar	6	9	45	47	29	32		
		8	10	40	46	28	29			13	10	50	54	31	33		
		15	11	54	53	28	31			20	11	52	54	28	34		
		22	12	44	46	27	35			27	12	48	50	30	32		
		29	13	51	54	33	40			27	13	55	58	28	29		
April	April	5	14	54	57	34	40	April	April	3	14	54	55	24	30		
		12	15	53	54	30	41			10	15	50	54	29	38		
		19	16	58	56	31	36			17	16	56	58	33	40		
		26	17	47	50	32	29			24	17	57	60	34	39		
May	May	3	18	69	67	30	40	May	May	1	18	54	60	32	38		
		10	19	61	63	44	44			8	19	55	58	32	33		
		17	20	63	71	41	50			15	20	68	67	30	38		
		24	21	72	68	40	43			22	21	76	78	45	50		
		31	22	75	78	44	51			29	22	76	75	38	48		
June	June	7	23	84	79	43	51	June	June	5	23						
		14	24	70	70	48	51			12	24						
		21	25	67	68	40	52			19	25						
		28	26	81	80	42	56			26	26						
July	July	5	27	83	80	49	61	July	July	3	27						
		12	28	70	75	43	52			10	28						
		19	29	64	70	45	53			17	29						
		26	30	80	78	49	53			24	30						
August	Aug	2	31	74	74	45	53	August	Aug	1	31						
		9	32	80	74	46	54			8	32						
		16	33	69	71	38	49			15	33						
		23	34	64	68	43	52			22	34						
		30	35	65	68	47	50			29	35						
September..	Sept	6	36	63	63	39	48	September..	Sep.	5	36						
		13	37	62	66	34	40			12	37						
		20	38	71	69	43	50			19	38						
		27	39	62	64	41	51			26	39						
October	Oct	4	40	71	75	51	59	October	Oct	3	40						
		11	41	66	65	44	49			10	41						
		18	42	60	68	54	58			17	42						
		25	43	59	58	34	41			24	43						
November ...	Nov	1	44	58	62	35	37	November ...	Nov	1	44						
		8	45	57	61	31	37			7	45						
		15	46	55	55	27	29			14	46						
		22	47	54	53	28	29			21	47						
		29	48	54	54	30	35			28	48						
December ...	Dec.	6	49	54	49	30	30	December ...	Dec.	5	49						
		13	50	48	50	30	32			12	50						
		20	51	48	51	35	38			19	51						
		27	52	52	52	25	26			26	52						

(IN SHADE) AT SEWAGE WORKS.

1910

Maximum Temperature			Month	Week Ending		No. of Week in Year	Maximum Temperature		Minimum Temperature	
5 p.m.	8 a.m.	5 p.m.					8 a.m.	5 p.m.	8 a.m.	5 p.m.
48	14	20	January	Jan	2	1	54	53	29	31
46	27	29			9	2	53	53	32	33
48	30	33			16	3	53	49	28	36
49	25	26	February ...		23	4	45	43	22	22
41	16	17			30	5	37	38	10	11
53	27	32		Feb	6	6	52	53	31	32
39	30	31			13	7	52	52	27	27
48	27	28			20	8	50	52	34	33
45	24	24	March		27	9	45	47	29	32
41	11	17		March	6	10	50	54	31	33
44	27	32			13	11	52	54	28	34
55	21	23			20	12	48	50	30	32
55	29	30			27	13	55	58	28	29
57	26	31	April	April	3	14	54	55	24	30
64	30	35			10	15	50	54	29	38
59	32	40			17	16	56	58	33	40
64	33	40	May		24	17	57	60	34	39
60	28	36		May	1	18	54	60	32	38
68	32	41			8	19	55	58	32	33
65	29	38			15	20	68	67	30	38
79	31	39			22	21	76	78	45	50
72	42	50	June		29	22	76	75	38	48
66	38	47		June	5	23				
62	36	47			12	24				
68	40	51			19	25				
69	40	48			26	26				
74	41	50	July	July	3	27				
71	50	52			10	28				
68	46	53			17	29				
69	56	56			24	30				
65	48	54			31	31				
77	44	53	August ...	Aug	7	32				
80	49	67			14	33				
70	48	51			21	34				
66	41	51			28	35				
61	36	44		September	4	36	61	65	42	50
64	35	43	October		11	37	63	66	41	41
64	38	43			18	38	65	63	38	47
65	38	48			25	39	61	68	35	40
64	48	49		Oct	2	40	66	69	43	51
64	36	41			9	41	64	62	40	48
64	44	45	November ...		16	42	57	60	44	47
62	41	43			23	43	59	57	40	36
45	38	38			30	44	53	55	36	44
54	30	34		Nov	6	45	52	52	32	34
54	26	27			13	46	50	52	26	31
44	25	26	December ...		20	47	48	53	27	28
49	25	25			27	48	38	44	23	24
46	28	28		Dec	4	49				
52	20	22			11	50				
43	26	27			18	51				
49	12	18			25	52				

TABLE 16. RECORD OF RAINFALL AT SEWAGE WORKS.

1908						1909						1910					
Month	Week Ending	No. of Week in Year	Total Rainfall for Week	Total Rainfall for Month	Total Rainfall for Year	Month	Week Ending	No. of Week in Year	Total Rainfall for Week	Total Rainfall for Month	Total Rainfall for Year	Month	Week Ending	No. of Week in Year	Total Rainfall for Week	Total Rainfall for Month	Total Rainfall for Year
			Inches	Inches	Inches				Inches	Inches	Inches				Inches	Inches	Inches
January	Jan 5	1	.00			January	Jan. 3	1	.31			January ...	Jan 2	1	.79		
	12	2	.80				10	2	.55				9	2	.13		
	19	3	.43				17	3	.90				16	3	1.52		
	26	4	.56	1.79			24	4	.08				23	4	.50		
February ...	Feb 2	5	.47			February ...	Feb. 7	5	.00	1.85		February	Feb 30	5	1.18	4.12	
	9	6	.12				31	6	.95				6	6	.81		
	16	7	.50				14	7	.50				13	7	.59		
	23	8	1.18	2.27			21	8	.02				20	8	.62		
March	March 1	9	.75			March	28	9	.00	1.47		March ..	27	9	.64	2.66	
	8	10	.35				7	10	.62				6	10	.11		
	15	11	.49				14	11	.02				13	11	.34		
	22	12	.04				21	12	.23				20	12	.16		
	29	13	.88	2.51			28	13	1.03	1.90			27	13	.00	.61	
April	April 5	14	.71			April	4	14	.92			April	April 3	14	.03		
	12	15	.09				11	15	.00				10	15	.24		
	19	16	.01				18	16	1.32				17	16	.71		
	26	17	.33	1.14			25	17	1.28	3.52			24	17	.64	1.62	
May	May 3	18	1.68			May	2	18	.77			May	May 1	18	.66		
	10	19	.82				9	19	.00				8	19	1.12		
	17	20	.35				16	20	.07				15	20	.35		
	24	21	.33				23	21	.15				22	21	.88		
	31	22	.09	3.27			30	22	1.06	2.05			29	22	.21	3.22	
June	June 7	23	.88		28.33 Inches	June	6	23	.32		33.14 Inches	June ...	June 5	23	.69		34.79 Inches
	14	24	.53				13	24	.06				12	24	.48		
	21	25	.17				20	25	.24				19	25	.00		
	28	26	.00	1.58			27	26	1.38	2.00			26	26	1.31	2.48	
July	July 5	27	.05			July	4	27	.91			July ...	July 3	27	2.14		
	12	28	2.07				11	28	.94				10	28	1.18		
	19	29	2.16				18	29	.63				17	29	.00		
	26	30	.21	4.49			25	30	.43	2.91			24	30	1.43		
August	Aug 2	31	.04			August	1	31	2.33			August	Aug 31	31	.47	5.22	
	9	32	.00				8	32	.35				7	32	.28		
	16	33	.27				15	33	.04				14	33	1.00		
	23	34	.74				22	34	2.15				21	34	.86		
	30	35	1.02	2.07			29	35	.63	5.50			28	35	3.22	5.36	
September...	Sept 6	36	.47			September...	5	36	.58			September ..	Sept 4	36	.41		
	13	37	.62				12	37	.78				11	37	.00		
	20	38	1.10				19	38	.02				18	38	.00		
	27	39	1.31	3.60			26	39	.32	1.70			25	39	.00	.41	
October	Oct 4	40	.02			October	3	40	.70			October ...	Oct 2	40	.09		
	11	41	.17				10	41	1.11				9	41	.64		
	18	42	.00				17	42	1.28				16	42	1.04		
	25	43	.62	.81			24	43	1.47				23	43	.43		
November ...	Nov 1	44	.41			November ...	31	44	.42	4.98		November ..	Nov 30	44	.21	2.41	
	8	45	.00				7	45	.03				6	45	1.59		
	15	46	.54				14	46	.16				13	46	.94		
	22	47	.88				21	47	.00				20	47	.98		
	29	48	.98	2.81			28	48	.17	.36			27	48	.53	4.04	
December ...	Dec 6	49	.18			December ...	5	49	2.50			December ...	Dec 4	49	.47		
	13	50	.89				12	50	1.16				11	50	.24		
	20	51	.87				19	51	.04				18	51	1.33		
	27	52	.05	1.99			26	52	1.20	4.90			25	52	.60	2.64	

ALL AT SEWAGE WORKS.

1910

Total Rainfall for Mo'th	Total Rainfall for Year	Month	Week Ending	No. of Week in Year	Total Rainfall for Week	Total Rainfall for Mo'th	Total Rainfall for Year
Inches	Inches				Inches	Inches	Inches
1·85	33·14 Inches	January	Jan	2	1	·79	34·79 Inches
				9	2	·13	
				16	3	1·52	
				23	4	·50	
				30	5	1·18	
1·47		February ..	Feb	6	6	·81	
				13	7	·59	
				20	8	·62	
				27	9	·64	
				6	10	·11	
1·90		March	Mar	13	11	·34	
				20	12	·16	
				27	13	·00	
				3	14	·03	
				10	15	·24	
3·52		April	April	17	16	·71	
				24	17	·64	
				1	18	·66	
				8	19	1·12	
				15	20	·35	
2·05		May... ..	May	22	21	·88	
				29	22	·21	
				5	23	·69	
				12	24	·48	
				19	25	·00	
2·00		June	June	26	26	1·31	
				27	27	2·14	
				10	28	1·18	
				17	29	·00	
				24	30	1·43	
2·91		July	July	31	31	·47	
				7	32	·28	
				14	33	1·00	
				21	34	·86	
				28	35	3·22	
5·50		August	Aug	4	36	·41	
				11	37	·00	
				18	38	·00	
				25	39	·00	
				2	40	·09	
1·70		September ..	Sept	9	41	·64	
				16	42	1·04	
				23	43	·43	
				30	44	·21	
				6	45	1·59	
4·98		October	Oct	13	46	·94	
				20	47	·98	
				27	48	·53	
				4	49	·47	
				11	50	·24	
·36		November ..	Nov	18	51	1·33	
				25	52	·60	
4·90	December ...	Dec					